

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/526, 277 A  
Source: PCT  
Date Processed by STIC: 03/02/2006

# ***ENTERED***



PCT

## RAW SEQUENCE LISTING

DATE: 03/02/2006

PATENT APPLICATION: US/10/526,277A

TIME: 10:46:35

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\03022006\J526277A.raw

3 <110> APPLICANT: Epigenomics AG

5 <120> TITLE OF INVENTION: Method For The Detection Of Nucleic Acid Sequences By Means  
Of Crackable

6 Probe Molecules

8 <130> FILE REFERENCE: 82392

10 <140> CURRENT APPLICATION NUMBER: US/10/526,277A

11 <141> CURRENT FILING DATE: 2005-03-01

13 <160> NUMBER OF SEQ ID NOS: 21

15 <170> SOFTWARE: PatentIn version 3.1

17 <210> SEQ ID NO: 1

18 <211> LENGTH: 28

19 <212> TYPE: DNA

20 <213> ORGANISM: Artificial Sequence

22 <220> FEATURE:

23 <223> OTHER INFORMATION: primer oligonucleotide

25 <220> FEATURE:

26 <221> NAME/KEY: modified\_base

27 <222> LOCATION: (1)..(1)

28 <223> OTHER INFORMATION: thiol-substituted thymine

31 <400> SEQUENCE: 1

32 taagtatggt gaagaaagat tattgtag 28

35 <210> SEQ ID NO: 2

36 <211> LENGTH: 22

37 <212> TYPE: DNA

38 <213> ORGANISM: Artificial Sequence

40 <220> FEATURE:

41 <223> OTHER INFORMATION: primer oligonucleotide

43 <400> SEQUENCE: 2

44 cgcatcaact aaatcattaa aa 22

47 <210> SEQ ID NO: 3

48 <211> LENGTH: 18

49 <212> TYPE: DNA

50 <213> ORGANISM: Artificial Sequence

52 <220> FEATURE:

53 <223> OTHER INFORMATION: oligonucleotide

55 <220> FEATURE:

56 <221> NAME/KEY: misc\_feature

57 <222> LOCATION: (17)..(17)

58 <223> OTHER INFORMATION: 5'-amino adenosine

61 <220> FEATURE:

62 <221> NAME/KEY: modified\_base

63 <222> LOCATION: (18)..(18)

64 <223> OTHER INFORMATION: amino adenine

67 <400> SEQUENCE: 3

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W--> 68 tataaacacg tctttcna                                18
71 <210> SEQ ID NO: 4
72 <211> LENGTH: 18
73 <212> TYPE: DNA
74 <213> ORGANISM: Artificial Sequence
76 <220> FEATURE:
77 <223> OTHER INFORMATION: oligonucleotide
79 <220> FEATURE:
80 <221> NAME/KEY: misc_feature
81 <222> LOCATION: (17)..(17)
82 <223> OTHER INFORMATION: 5'-amino adenosine
85 <220> FEATURE:
86 <221> NAME/KEY: modified_base
87 <222> LOCATION: (18)..(18)
88 <223> OTHER INFORMATION: amino adenine
91 <400> SEQUENCE: 4

W--> 92 tataaacaca tctttcna                                18
95 <210> SEQ ID NO: 5
96 <211> LENGTH: 18
97 <212> TYPE: DNA
98 <213> ORGANISM: Artificial Sequence
100 <220> FEATURE:
101 <223> OTHER INFORMATION: oligonucleotide
103 <220> FEATURE:
104 <221> NAME/KEY: modified_base
105 <222> LOCATION: (1)..(1)
106 <223> OTHER INFORMATION: amino thymine
109 <400> SEQUENCE: 5
110 tataaacacg tctttcaa                                18
113 <210> SEQ ID NO: 6
114 <211> LENGTH: 18
115 <212> TYPE: DNA
116 <213> ORGANISM: Artificial Sequence
118 <220> FEATURE:
119 <223> OTHER INFORMATION: oligonucleotide
121 <220> FEATURE:
122 <221> NAME/KEY: modified_base
123 <222> LOCATION: (1)..(1)
124 <223> OTHER INFORMATION: amino thymine
127 <400> SEQUENCE: 6
128 tataaacaca tctttcaa                                18
131 <210> SEQ ID NO: 7
132 <211> LENGTH: 18
133 <212> TYPE: DNA
134 <213> ORGANISM: Artificial Sequence
136 <220> FEATURE:
137 <223> OTHER INFORMATION: oligonucleotide
139 <220> FEATURE:
140 <221> NAME/KEY: modified_base

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141 <222> LOCATION: (1)..(1)
142 <223> OTHER INFORMATION: amino thymine
145 <400> SEQUENCE: 7
146 tataaacacg tctttcaa 18
149 <210> SEQ ID NO: 8
150 <211> LENGTH: 18
151 <212> TYPE: DNA
152 <213> ORGANISM: Artificial Sequence
154 <220> FEATURE:
155 <223> OTHER INFORMATION: oligonucleotide
157 <220> FEATURE:
158 <221> NAME/KEY: modified_base
159 <222> LOCATION: (1)..(1)
160 <223> OTHER INFORMATION: amino thymine
163 <400> SEQUENCE: 8
164 tataaacaca tctttcaa 18
167 <210> SEQ ID NO: 9
168 <211> LENGTH: 19
169 <212> TYPE: DNA
170 <213> ORGANISM: Artificial Sequence
172 <220> FEATURE:
173 <223> OTHER INFORMATION: oligonucleotide
175 <220> FEATURE:
176 <221> NAME/KEY: modified_base
177 <222> LOCATION: (1)..(1)
178 <223> OTHER INFORMATION: amino thymine
181 <220> FEATURE:
182 <221> NAME/KEY: misc_feature
183 <222> LOCATION: (2)..(2)
184 <223> OTHER INFORMATION: methyl phosphonate
187 <400> SEQUENCE: 9
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192 <211> LENGTH: 19
193 <212> TYPE: DNA
194 <213> ORGANISM: Artificial Sequence
196 <220> FEATURE:
197 <223> OTHER INFORMATION: oligonucleotide
199 <220> FEATURE:
200 <221> NAME/KEY: modified_base
201 <222> LOCATION: (1)..(1)
202 <223> OTHER INFORMATION: amino thymine
205 <220> FEATURE:
206 <221> NAME/KEY: misc_feature
207 <222> LOCATION: (2)..(2)
208 <223> OTHER INFORMATION: methyl phosphonate
211 <400> SEQUENCE: 10
W--> 212 tnataaacac atctttcaa 19
215 <210> SEQ ID NO: 11

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216 <211> LENGTH: 18
217 <212> TYPE: DNA
218 <213> ORGANISM: Artificial Sequence
220 <220> FEATURE:
221 <223> OTHER INFORMATION: oligonucleotide
223 <220> FEATURE:
224 <221> NAME/KEY: misc_feature
225 <222> LOCATION: (17)..(17)
226 <223> OTHER INFORMATION: methyl phosphonate
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233 <210> SEQ ID NO: 12
234 <211> LENGTH: 19
235 <212> TYPE: DNA
236 <213> ORGANISM: Artificial Sequence
238 <220> FEATURE:
239 <223> OTHER INFORMATION: oligonucleotide
241 <220> FEATURE:
242 <221> NAME/KEY: misc_feature
243 <222> LOCATION: (2)..(2)
244 <223> OTHER INFORMATION: methyl phosphonate
247 <400> SEQUENCE: 12
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251 <210> SEQ ID NO: 13
252 <211> LENGTH: 19
253 <212> TYPE: DNA
254 <213> ORGANISM: Artificial Sequence
256 <220> FEATURE:
257 <223> OTHER INFORMATION: oligonucleotide
259 <220> FEATURE:
260 <221> NAME/KEY: misc_feature
261 <222> LOCATION: (2)..(2)
262 <223> OTHER INFORMATION: methyl phosphonate
265 <400> SEQUENCE: 13
W--> 266 gntctttcaa aattcacat 19
269 <210> SEQ ID NO: 14
270 <211> LENGTH: 18
271 <212> TYPE: DNA
272 <213> ORGANISM: Artificial Sequence
274 <220> FEATURE:
275 <223> OTHER INFORMATION: oligonucleotide
277 <220> FEATURE:
278 <221> NAME/KEY: misc_feature
279 <222> LOCATION: (17)..(17)
280 <223> OTHER INFORMATION: 5'-amino adenosine
283 <400> SEQUENCE: 14
W--> 284 ttcaacttat ataaacnc 18
287 <210> SEQ ID NO: 15
288 <211> LENGTH: 19

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289 <212> TYPE: DNA
290 <213> ORGANISM: Artificial Sequence
292 <220> FEATURE:
293 <223> OTHER INFORMATION: oligonucleotide
295 <220> FEATURE:
296 <221> NAME/KEY: misc_feature
297 <222> LOCATION: (3)..(3)
298 <223> OTHER INFORMATION: methyl phosphonate
301 <400> SEQUENCE: 15
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305 <210> SEQ ID NO: 16
306 <211> LENGTH: 19
307 <212> TYPE: DNA
308 <213> ORGANISM: Artificial Sequence
310 <220> FEATURE:
311 <223> OTHER INFORMATION: oligonucleotide
313 <220> FEATURE:
314 <221> NAME/KEY: misc_feature
315 <222> LOCATION: (2)..(2)
316 <223> OTHER INFORMATION: methyl phosphonate
319 <400> SEQUENCE: 16
W--> 320 gntctttcaa aattcacat 19
323 <210> SEQ ID NO: 17
324 <211> LENGTH: 18
325 <212> TYPE: DNA
326 <213> ORGANISM: Artificial Sequence
328 <220> FEATURE:
329 <223> OTHER INFORMATION: oligonucleotide
331 <400> SEQUENCE: 17
332 ttcaacttat ataaacac 18
335 <210> SEQ ID NO: 18
336 <211> LENGTH: 19
337 <212> TYPE: DNA
338 <213> ORGANISM: Artificial Sequence
340 <220> FEATURE:
341 <223> OTHER INFORMATION: oligonucleotide
343 <220> FEATURE:
344 <221> NAME/KEY: modified_base
345 <222> LOCATION: (1)..(1)
346 <223> OTHER INFORMATION: amino cytosine
349 <400> SEQUENCE: 18
350 catctttcaa aattcacat 19
353 <210> SEQ ID NO: 19
354 <211> LENGTH: 19
355 <212> TYPE: DNA
356 <213> ORGANISM: Artificial Sequence
358 <220> FEATURE:
359 <223> OTHER INFORMATION: oligonucleotide
361 <220> FEATURE:

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RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/526,277A

DATE: 03/02/2006  
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Input Set : A:\pto.da.txt  
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**Please Note:**

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:3; N Pos. 17  
Seq#:4; N Pos. 17  
Seq#:9; N Pos. 2  
Seq#:10; N Pos. 2  
Seq#:11; N Pos. 17  
Seq#:12; N Pos. 2  
Seq#:13; N Pos. 2  
Seq#:14; N Pos. 17  
Seq#:15; N Pos. 3  
Seq#:16; N Pos. 2

**Invalid Line Length:**

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 5

## VERIFICATION SUMMARY

DATE: 03/02/2006

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Input Set : A:\pto.da.txt

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L:68 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0  
L:92 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0  
L:188 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0  
L:212 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0  
L:230 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0  
L:248 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0  
L:266 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0  
L:284 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0  
L:302 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0  
L:320 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0